REQUEST FOR QUOTATION (RFQ)

Date: 08/15/2023
PR No. 2023-08- 287 (01101101) CCIS

Sir/Madam:

Please quote your lowest price on the item/s listed below, and submit your quotation duly signed by you or your duly authorized representative not later than **3 days** subject to the Terms and Conditions provided at the last page of this RFQ.

Delivery period must be at least within **45 days** upon receipt of the Notice to Proceed or Purchase Order.

For any clarification, you may email us at bac@mmsu.edu.ph.

NATHANIEL R. ALIBUYOG
BAC Chair

ITEM	QTY	Unit	ITEM DESCRIPTION	ABC/unit	UNIT PRICE
	1	lot	**Supply, Delivery and Installation of Air Conditioning Unit System (Lecture Room), MMSU CAB Building 2nd Floor, Batac City**	973,341.33	
	12	set	(Lecture Room) 230V / Single Phase / 60 Hz Nominal Capacity = 2.5 HP Wall Mounted Type (Remote Control and Inverter Type)		
	4	pcs.	20 mm Ø PVC Adapter with Locknut		
	4	pcs.	20 mm Ø, 2.2 mm thk. PVC Pipe, Thick Wall		
	8	pcs.	20 mm Ø Metal Clamp		
	19	pcs.	32 mm Ø, 2.2 mm thk. PVC Pipe, Thick Wall		
	38	pcs.	32 mm Ø PVC Adapter with Locknut		
	5	pcs.	32 mm Ø Elbow		
	250	m	3.5 mm^2 THHN		

500	m	5.5 mm² THHN
1	set	Pull Box, 10cm x 10cm x 4cm
8	pcs.	NEMA 3R, Wall Mounted Enclosure
		1-40AT, 2P, 50KAIC, 230V, MCB
1	liter	Latex Paint
2	roll	Electrical Tape, Vini, Big

TOTAL ESTIMATED BUDGET: 973,341.33
REMARKS/NOTE: Cost includes delivery, installation, cladding, and accessories to complete the system.

After having carefully read and accepted your Terms and Conditions, I/we submit our quotation/s on the item/s at prices indicated above.

Business Name: _____
Business Address: _____
Printed Name of the Owner: _____
TIN: _____
PhilGEPS Registration Number:_____
Business Permit: _____
Omnibus Sworn Statement: _____
Annual Income Tax Return: _____

_____
Signature over Printed Name

_____
Tel. No./Cellphone No./e-mail address

_____
Date

Canvassed by: _____

TERMS AND CONDITIONS:

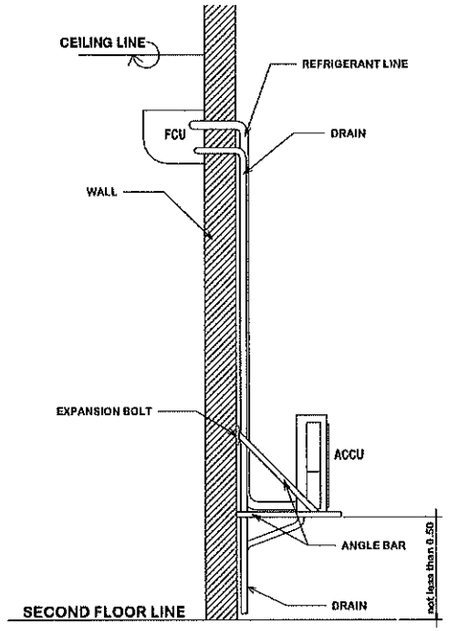
1. Bidders shall provide correct and accurate information required in this form.
2. Bidders may quote for any or all of the items.
3. Bidders shall submit a copy of the following documents along with the Quotation:
   a. PhilGEPS Registration Number
   b. Mayor's Permit / Business Permit
   c. Omnibus Sworn Statement (for ABC's above P 50,000.00)
   d. Income/Business Tax Return (for ABC's above P 500,000.00)
   e. Certificate of Public Conveyance (CPC) for vehicle rentals and truckings
4. Price quotation/s, to be denominated in Philippine peso, shall include all taxes, duties and/or levies payable.
5. Quotations exceeding the Approved Budget for the Contract shall be rejected.
6. Award of contract shall be made to the lowest quotation which complies with the minimum technical specifications and other terms and conditions stated herein.
7. Any interlineations, erasures or overwriting shall be valid only if they are signed or initialed by you or any of your duly authorized representative/s.
8. The item/s shall be delivered according to the requirements specified in the Technical Specifications.
9. The University has the right to inspect and/or test the goods to confirm their conformity to the technical specifications.
10. Liquidated damages equivalent to one tenth of one percent (0.1%) of the value of the goods not delivered within the prescribed delivery period shall be imposed per day of delay.
11. MMSU reserves the right to reject and/or all quotations/bids, to annul the procurement process, to reject all quotations/bids at any time prior to contract award, without thereby incurring any liability to the affected Bidder(s), and to accept only the offer that is most advantageous to the Government.

GROUND FLOOR DX/ SPLIT TYPE EQUIPMENT SCHEDULE (INDOOR & OUTDOOR)

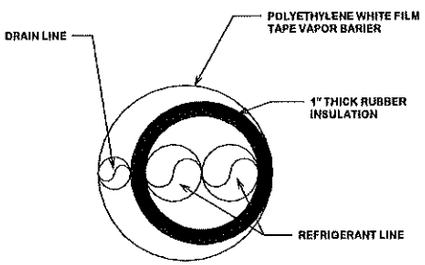
Equipment No.	Room Serve	Qty.	Type	Cooling Capacity (HP)	Evaporator Data				Condenser Data				Remarks
					Air Flow (LPS)	ESP (Pa)	Motor Input (KW)	V / Ø / Hz	Refrigerant Type	Refrigerant Pipe Size			
										Gas (mm)	Liquid (mm)	Drain (mm)	
FCU 2F-01 / ACCU 2F-01	Lecture Room As Shown	12	Wall Mounted Type Inverter	2.5	310	N/A	2.3	230 / 1 / 60	R-32	15.88	6.35	Ø 25	New units similar to "LG" brand or approval equal Remote control & inverter type

NOTE:
1. FINAL REFRIGERANT PIPE SIZES TO BE DETERMINED AND FINALIZED BY SUPPLIER.
2. POWER BREAKER SUBJECT TO SELECTED BRAND

1 SCHEDULE OF EQUIPMENT



SIDE VIEW



REFRIGERANT LINE DETAILS

1. THE CONTRACTOR SHALL VERIFY THE SITE CONDITION FOR ALL EXISTING SERVICES AND CHECK ALL TAPPING POINT.

2. COORDINATE WITH ARCHITECT THE FINAL LOCATION OF ALL THERMOSTAT.

3. PROVIDE ACCESS MANHOLE / PANEL TO ALL FIXED CEILING WITH EQUIPMENT FOR MAINTENANCE PURPOSES.

4. SUBMIT SHOP DRAWINGS FOR FINAL REVIEW OF THE CONSULTANT.

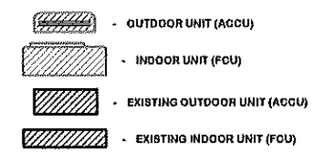
5. COORDINATE ALL PIPE PENETRATION FOR THE APPROVAL OF STRUCTURAL ENGINEER.

6. WRAPPED WITH POLYETHYLENE TAPE ALL REFRIGERANT PIPING ABOVE CEILING AND CLADDING FOR EXPOSED PIPING.

7. ALL TYPE OF TESTING SHALL NE WITNESSED BY BUILDING ADMIN. REPRESENTATIVE FOR REVIEW AND APPROVAL.

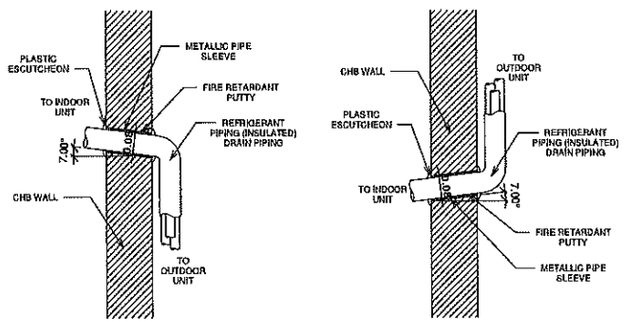
8. PROVIDE SUFFICIENT HANGERS, CLADDING AND SUPPORTS FOR ALL INSTALLATION (DO NOT USE G.I. WIRES)

2 GENERAL NOTES



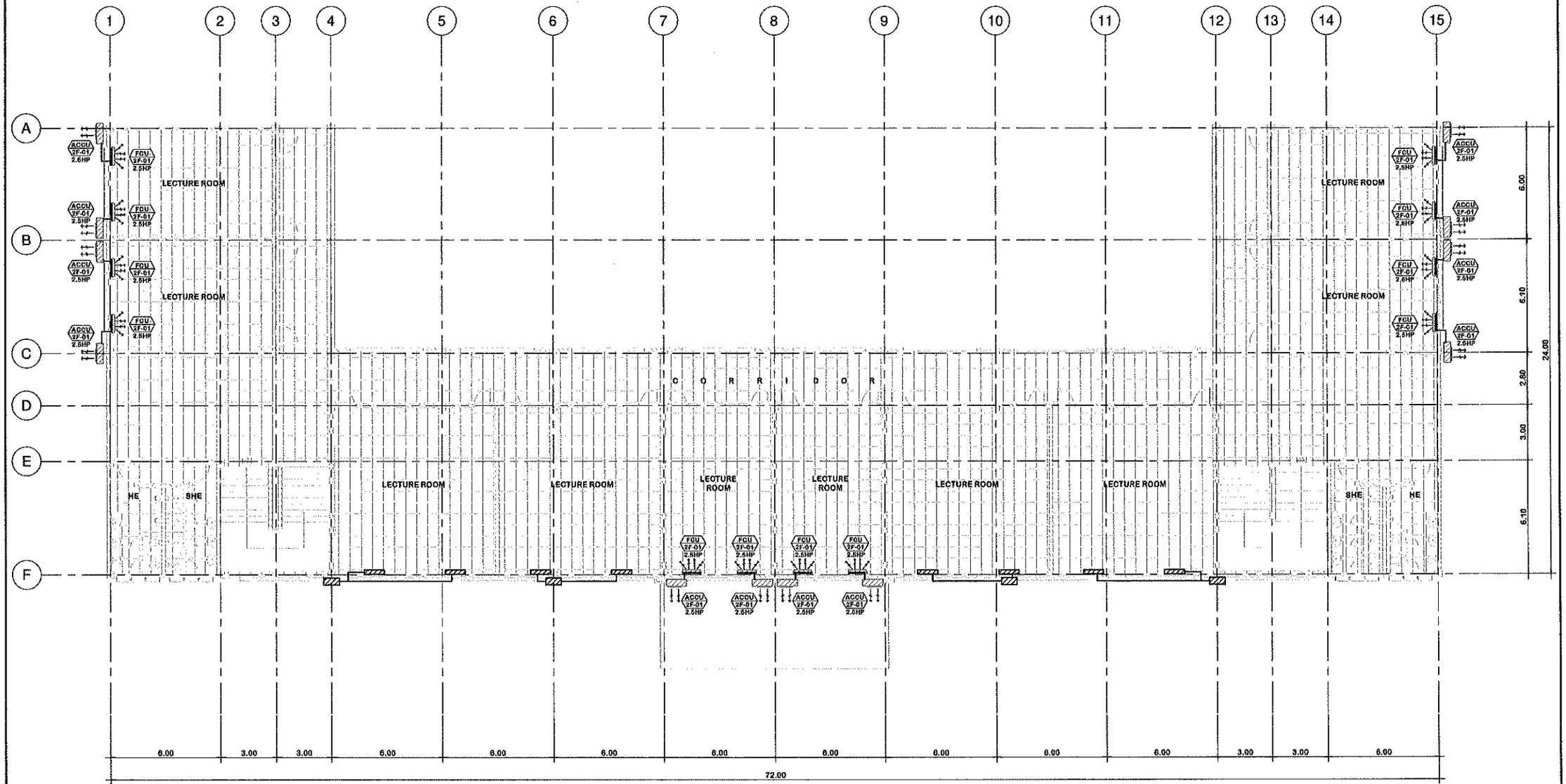
3 LEGEND/SYMBOLS

4 AIR CONDITIONING UNIT DETAIL
N T S



5 PIPE THROUGH WALL INSTALLTION
N T S

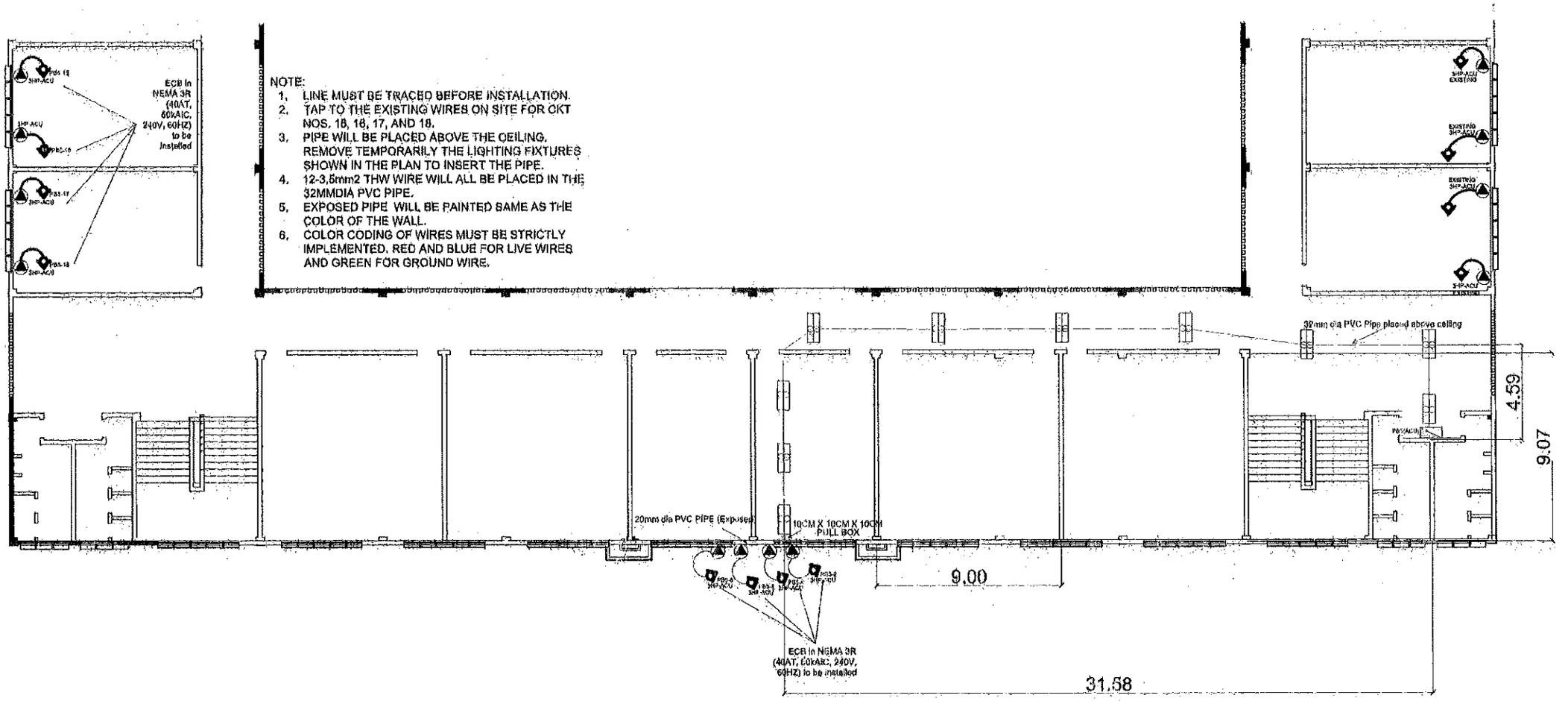
FROM THE OFFICE: **PHYSICAL PLANNING AND DEVELOPMENT OFFICE** MP 204 ADMINISTRATION BLDG. MARIANO MARCOS STATE UNIVERSITY CITY OF BATAC, 2906 ILOCOS NORTE TELEFAX: +63 (77) 792-9101	SIGNED AND SEALED: PROFESSIONAL MECHANICAL ENGINEER PRC NO.: VALIDITY: PTR NO.: ISSUED AT: TIN:	PROJECT TITLE: **SUPPLY, DELIVERY & INSTALLATION OF AIR CONDITIONING UNIT SYSTEM AT LECTURE ROOM (COMMUNICATION ARTS BUILDING)** PROJECT LOCATION: MMSU CAB - CITY OF BATAC, ILOCOS NORTE	CONFORMED: WILBEN CHRISTE R. PAGTACONAN DIRECTOR, PPDO DATE:	RECOMMENDED: ROMEO R. DULDULAO DESIGNATED DATE:	APPROVED: SHIRLEY O. AGRUPIS UNIVERSITY PRESIDENT DATE:	REVISION NUMBER: NOTE: ADVANCE COPY FOR BIDDING FOR PERMIT FOR CONSTRUCTION DATE ISSUED	SHEET CONTENT: - AS SHOWN - DRAWN: Mr. BADayang REVIEWED: Engr. ADMohamad Jr. DATE SUBMITTED:	SHEET NUMBER: M-01



1 SECOND FLOOR ACU LAYOUT PLAN

1 : 120 meters

FROM THIS OFFICE:	**SIGNED AND SEALED:**	**PROJECT TITLE:**	**CONFORMED:**	**RECOMMENDED:**	**APPROVED:**	**REVISION NUMBER:**	**SHEET CONTENT:**	**SHEET NUMBER:**
PHYSICAL PLANNING AND DEVELOPMENT OFFICE BY BSE ADMINISTRATION BLDG., MARIANO MARCOS STATE UNIVERSITY CITY OF BATAC, 2906 ILOCOS NORTH TEL/FAX: +63 (77) 792-9191	PROFESSIONAL MECHANICAL ENGINEER PRC NO.: VALIDITY: PTR NO.: ISSUED ON: ISSUED AT: TIN:	**SUPPLY, DELIVERY & INSTALLATION OF AIR CONDITIONING UNIT SYSTEM AT LECTURE ROOM (COMMUNICATION ARTS BUILDING)** **PROJECT LOCATION:** MMSU CAB - CITY OF BATAC, ILOCOS NORTE	**WILBEN CHRISTIE R. PAGTACONAN** DIRECTOR, PPDO DATE:	**ROMEO R. DULDULAO** DIRECTOR, BSE DATE:	**SHIRLEY O. AGRUPIS** UNIVERSITY PRESIDENT DATE:	NOTE: ☐ ADVANCE COPY ☐ FOR BIDDING ☐ FOR PERMIT ☐ FOR CONSTRUCTION DATE ISSUED	- AS SHOWN - DRAWN: Mr. BAD-ayang REVIEWED: Engr. ADMamaud Jr. DATE SUBMITTED:	M-02



SECOND FLOOR ACU LAYOUT

PROJECT TITLE:	SHEET CONTENT:	CONFORMED:	RECOMMENDED:	APPROVED:	SHEET NUMBER:
SUPPLY, DELIVERY AND INSTALLATION OF AIRCONDITIONING UNIT SYSTEM AT LECTURE ROOM	AS SHOWN	WILBEN CHRISTIE R. PAGTACONAN	ROMEO R. DULDULAO	SHIRLEY O. AGRUPIS	E-1
	DRAWN: LTCalaustro	DIRECTOR, INFORMATION TECHNOLOGY CENTER	DIRECTOR, PPDO	UNIVERSITY PRESIDENT	01 02
PROJECT LOCATION: MMSU - CAB BUILDING (SECOND FLOOR), CITY OF BATAC, ILOCOS NORTE	REVIEWED: Ar.APGuillermo	DATE:	DATE:	DATE:	
	DATE SUBMITTED:				

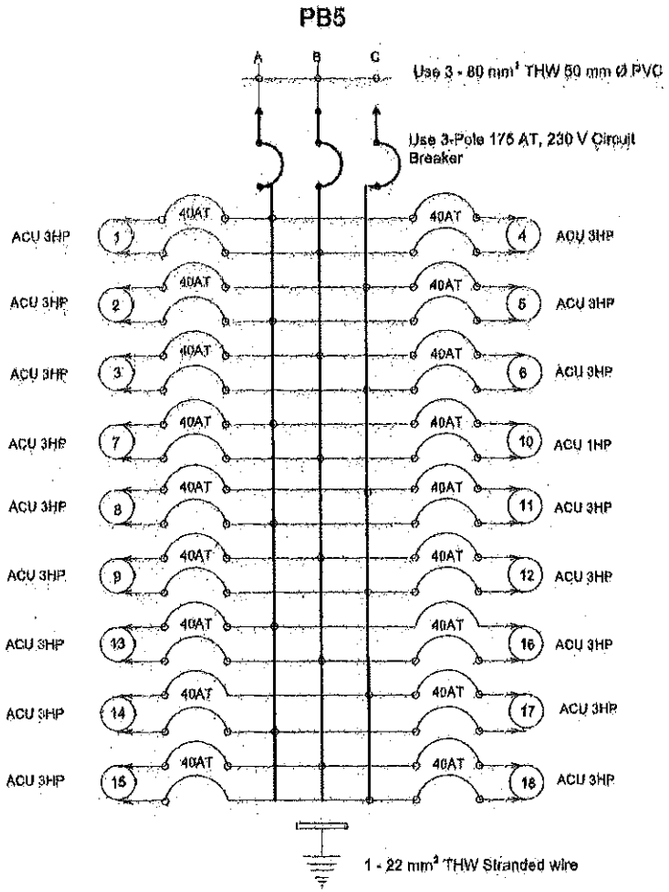
DEMAND LOAD TABULATION

PE-3 ACU PANEL 2F — FEEDER BREAKER 3-175 AT, FEEDER CONDUCTOR 3-80mm² + 1-22mm² cu. wire in 65mmØ PVC

CIRCUITN UMBER	LOAD DESCRIPTION	VA LOAD	3Φ CURRENT	PHASE CURRENT			CIRCUIT BREAKER			CONDUCTOR		CONDUIT	
				AB	CA	BC	POLE	AF	AT	SIZE	TYPE	DIAMETER	TYPE
1	1 set 3HP ACU Inverter,Split Type	2898		12.6			2	225	40	2- 8.0mm² & 1- 5.5mm²	THHN	25mm	PVC
2	1 set 3HP ACU Inverter,Split Type	2898			12.6		2	225	40	2- 8.0mm² & 1- 5.5mm²	THHN	25mm	PVC
3	1 set 3HP ACU Inverter,Split Type	2898				12.6	2	225	40	2- 8.0mm² & 1- 5.5mm²	THHN	25mm	
4	1 set 3HP ACU Inverter,Split Type	2898		12.6			2	225	40	2- 8.0mm² & 1- 5.5mm²	THHN	25mm	PVC
5	1 set 3HP ACU Inverter,Split Type	2898			12.6		2	225	40	2- 8.0mm² & 1- 5.5mm²	THHN	25mm	PVC
6	1 set 3HP ACU Inverter,Split Type	2898				12.6	2	225	40	2- 8.0mm² & 1- 5.5mm²	THHN	25mm	PVC
7	1 set 3HP ACU Inverter,Split Type	2898		12.6			2	225	40	2- 8.0mm² & 1- 5.5mm²	THHN	25mm	PVC
8	1 set 3HP ACU Inverter,Split Type	2898			12.6		2	225	40	2- 8.0mm² & 1- 5.5mm²	THHN	25mm	PVC
9	1 set 3HP ACU Inverter,Split Type	2898				12.6	2	225	40	2- 8.0mm² & 1- 5.5mm²	THHN	25mm	PVC
10	1 set 3HP ACU Inverter,Split Type	2898		12.6			2	225	40	2- 8.0mm² & 1- 5.5mm²	THHN	25mm	PVC
11	1 set 3HP ACU Inverter,Split Type	2898			12.6		2	225	40	2- 8.0mm² & 1- 5.5mm²	THHN	25mm	PVC
12	1 set 3HP ACU Inverter,Split Type	2898				12.6	2	225	40	2- 8.0mm² & 1- 5.5mm²	THHN	25mm	PVC
13	1 set 3HP ACU Inverter,Split Type	2898		12.6			2	225	40	2- 8.0mm² & 1- 5.5mm²	THHN	25mm	PVC
14	1 set 3HP ACU Inverter,Split Type	2898			12.6		2	225	40	2- 8.0mm² & 1- 5.5mm²	THHN	25mm	PVC
15	1 set 3HP ACU Inverter,Split Type	2898				12.6	2	225	40	2- 8.0mm² & 1- 5.5mm²	THHN	25mm	PVC
16	1 set 3HP ACU Inverter,Split Type	2898		12.6			2	225	40	2- 8.0mm² & 1- 5.5mm²	THHN	25mm	PVC
17	1 set 3HP ACU Inverter,Split Type	2898			12.6		2	225	40	2- 8.0mm² & 1- 5.5mm²	THHN	25mm	PVC
18	1 set 3HP ACU Inverter,Split Type	2898				12.6	2	225	40	2- 8.0mm² & 1- 5.5mm²	THHN	25mm	PVC
		52164		75.60	75.60	75.60							

FEEDER CONDUCTOR
IFL = √3 (75.60+25%(12.60) = 130.39 A
USE: 3 -80mm² & 1 - 22mm² THW Cu. wire in 50mmØ PVC

MAIN OVER CURRENT DEVICE PROTECTION
IFL = √3 [200%(12.60)+63 = 163.87 A
USE: 3 POLE 175 AT, MCCB, 240V 60 HZ , 85 KAIC,225 AF



SCHEDULE OF LOADS/PANELBOARD DIAGRAM

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PROJECT LOCATION: MMSU - CAB BUILDING (SECOND FLOOR), CITY OF BATAC, ILOCOS NORTE	DRAWN: LTCelaustro REVIEWED: Ar.APGuillermo DATE SUBMITTED:	DATE:	DATE:	DATE:	